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8 October 1970

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MEMORANDUM FOR THE RECORD

SUBJECT: Steering Committee/ARGO Meeting, 29 September 1970

1. Messrs [redacted] and I attended the 29 September 1970 meeting of the Steering Committee/ARGO. [redacted] chaired the meeting which began at 1000 hours in Room 213 of the Executive Office Building.

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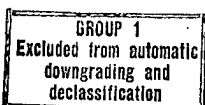
2. First on the agenda was a presentation by Eastman Kodak TK cleared representatives concerning the use of color film type S0-242. EK recommended the system approach in its use; that is, proper Kodak chemistry and EK processing equipment should be utilized. This is the only approach in which customer problems can be readily solved. At present EK has no recommended processing cycle for its S0-242 but one is expected in approximately three weeks. Examples of S0-121 and S0-242 imagery were displayed. Film type S0-360 is the only film commercially available that is recommended for use with S0-242 in the generation of color duplicate positives. S0-360 can be processed in an EK Versamat processor at a speed of nine feet per minute. EK is working to develop a color duplicating material which is more compatible (than S0-360) with S0-242. Such a product may not be available for a few years, however.

The concept of making a black and white duplicate negative of the S0-242 green record layer was discussed. This specially filtered DN can then be employed as any standard dupe negative for the generation of duplicate positives.

It was announced that film type S0-180 has been discontinued, its replacement 3443 has improved keeping qualities.

For those interested in a color negative system, film type 2445 was mentioned. This material offers a greater exposure latitude than reversal products, however, its larger grain size and lower resolving power may prohibit its use in high altitude acquisition systems.

Direct duplicating film S0-369 has not received much use since it was put on the market. It was stated that persons who have a need for such a material should not overlook it.



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A recent addition to the EK commercial product line is 1717 Polycontrast Paper which is water resistant. It was mentioned that in the near future most color papers will be on a water resistant base support.

It was stated that S0-349 is now officially 3414 and S0-236 is now termed 1414. Film type 1414 is the ultra-thin base (UTB) version of 3414 which is a standard thin base material (STB). Both can be processed on an EK Versamat machine to which a stopbath cabinet has been added. Printing from these materials can be accomplished on an EK Niagara Printer utilizing 2430 duplicating film. 3404, our old work base, has been discontinued; its replacement is the above mentioned 3414.

A flow chart of a typical processing system was presented along with descriptions of the following Eastman Kodak equipment as it applied:

- Film Pre-Inspection Table
- Fultron Film Processor Model III-B
- Editing Table Model II, Motor Wind
- Delaware Portable Film Titler Model III
- Denver Film Editing Unit (Portable)
- Denver Densitometer Unit (fits unit above)
- Niagara Printer (kits available to modify unit for color)
- Rainbow Continuous Printer (for color)
- Colorado Printer (continuous for color)
- Seneca Step and Repeat Printer
- Saranac Drum Printer
- Beacon Precision Enlarger (3X to 153X)

This presentation concluded Eastman's portion of the meeting.

3. [redacted] of the USGS Special Projects Office, Reston, Va., gave a presentation of the Standard Revision of the 1:250,000 scale base maps originally compiled by AMS in the 1940's and early 1950's. It is the aim of the USGS to revise these maps every eight years in rural areas and every five years in urban areas. This is presently being accomplished in a monoscopic effort via KH-4 imagery overlays produced using the Gamma Rectifier and a scale reduction to 1:250,000 (gamma rectifier out put with KH-4 is 1:150,000). USGS is in need of KH-4 coverage (they are up to date with what has been flown thus far) and is considering the use of low altitude (70,000 ft.) aircraft coverage to fill in the gaps.

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[redacted] stated that the unit was presently film limited and will produce about 2,000 frames per mission. He could not answer the question of how much of the film load DOD will employ operationally [redacted] Although the film load meets existing requirements, [redacted] is investigating the need for its increase. He mentioned also that the system was weight limited and such an increase even if justified would be difficult to accommodate.

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4. [redacted] presented the following costs pertaining to USAF and commercial flying/maintenance of the U-2 and RB-57 reconnaissance aircraft. These figures are the costs per year for an aircraft with a flying schedule of 50 hours (take off to landing) per month.

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USAF owned/operated	U-2----	[redacted]
Commercial owned/operated	U-2----	[redacted]
USAF owned/operated	RB-57----	[redacted]
Commercial owned/operated	RB-57----	[redacted]

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Some of the items which account for the cost differential are:

- a. USAF pays no landing fees.
- b. USAF pays no hanger costs.
- c. USAF pays no TDY.

The above rates are those charged government agencies when the USAF flies a mission for said agency. By June of 1971 a maximum of five U-2's and eight RB-57's may be available. NASA now has one RB-57 and is negotiating for a second. [redacted] stated that all USAF RB-57's are either going into flyable storage or to the bone yard by next June. This accounts for the aforementioned availability of the aircraft to other government agencies or civilian interests. The cost of camera installation (aircraft hatch modification, when required) is not reflected in these figures and it was mentioned that such modifications could run over a half million dollars. The cost of operating a usable aircraft is thus increased by a goodly amount. (Rumor has it that the vibration free mount which NASA developed for its RB-57 cost them almost one million dollars.)

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The additional comment was made that the U-2C has a tendency to porpoise.

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5. The last item of business was a review of the final edition of the proposed ARGO charter. The review surfaced several questions concerning the charter's connotation which turned out to be 180 degrees from its intended meaning. [redacted] will rework the proposal. The meeting was adjourned at approximately 1400 hours.

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[redacted]  
Acting Chief, Section II  
IEB/APSD/TSG/NPIC

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